

Abstract

In a solvent for an electrolyte of a capacitor, by using a compound having a silicon-containing group of the general formula $(R^1, R^2, R^3) Si-$, together with an organic solvent such as carbonic ester, the capacitor which releases little gases from the solvent and possesses high withstand voltage and excellent charging/discharging cycle properties can be provided. The R^1, R^2, R^3 stand for hydrogen, halogen, alkyl group, alkoxy group, etc. As examples of the compounds there can be cited 3-trialkylsilyl-2-oxazolidinone, N-trialkyl-silylimidazole, tris(trialkylsilyl) phosphate, allyl-trialkylsilane and alkyl-N-trialkylsilyl carbamate. A non-aqueous electrolytic solution comprising such compound is suitable particularly for an electric double layer capacitor.